

Serial No. 10/038,773
Amdt. dated March 8, 2004
Reply to Office action of September 8, 2003

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Amendments to the Specification:

Page 1, after the title, insert the following:

RELATED APPLICATIONS

A1 This application is a continuation of International
Application No. PCT/EP99/04823, filed July 8, 1999.

FIELD OF THE INVENTION

On page 1, after the first paragraph, insert the following
heading:

BACKGROUND OF THE INVENTION

A2 On page 6, after line 2, insert the following heading:

OBJECTS AND SUMMARY OF THE INVENTION

A3 On page 6, please re-write the paragraph starting at line 8 as
follows:

A4 ~~This aim is achieved by means of the characteristics included~~
~~in claim 1 of the patent claims.~~ The solution in accordance
with the invention is characterised by the provision of a
cleansing device at the point of measurement designed to

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A4
CONT

remover the tissue particles deposited from the blood. The invention is thus based on the fact that measurement is severely hampered by the blood's ongoing immune response processes. The immune response for instance, causes indestructible foreign bodies to be encapsulated by endogenous tissue. The invention allows this endogenous tissue to be removed prior to measurement, with the cleansing of the point of measurement being either continual or intermittent. In order for cleansing to be intermittent, the function of the cleansing device can be controlled from the computer unit.

On page 10, please re-write the paragraph starting at line 4 as follows:

A5

~~A device for regulating human blood sugar levels, for which separate protection is also sought, has the characteristics provided in Claim 25.~~ The devices in accordance with the invention can be regulated, wherein the measured values are transmitted to a control unit located outside the body by a telemetry unit, and have an extracorporeal insulin pump for injecting insulin into the peritoneum and have a regulator integrated into the control unit which controls the insulin pump as a factor of the measured values in such a way that the desired blood sugar levels are maintained.

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On page 11, after line 3, please insert the following heading:

BRIEF DESCRIPTION OF THE DRAWINGS

A6

On page 12, after line 11, please insert the following
heading:

DETAILED DESCRIPTION OF THE INVENTION

A7